

ABSTRACT

An indicator is provided that utilizes a side-emitting light-emitting diode to indicate the state of a vehicle. An example vehicle indicator is an automobile turn indicator. Other embodiments and features further provide for a conventional light-emitting diode additionally mounted to the vehicle indicator. Certain embodiments provide a cover that protects the vehicle indicator from damage and influences the pattern and/or frequency of light emanating from the vehicle indicator. Yet other embodiments provide a circuit board for converting power from the vehicle's power source to the particular power requirements, a timing mechanism for controlling illumination, and a heat dissipating apparatus for controlling the temperature of the side-emitting light-emitting diode.